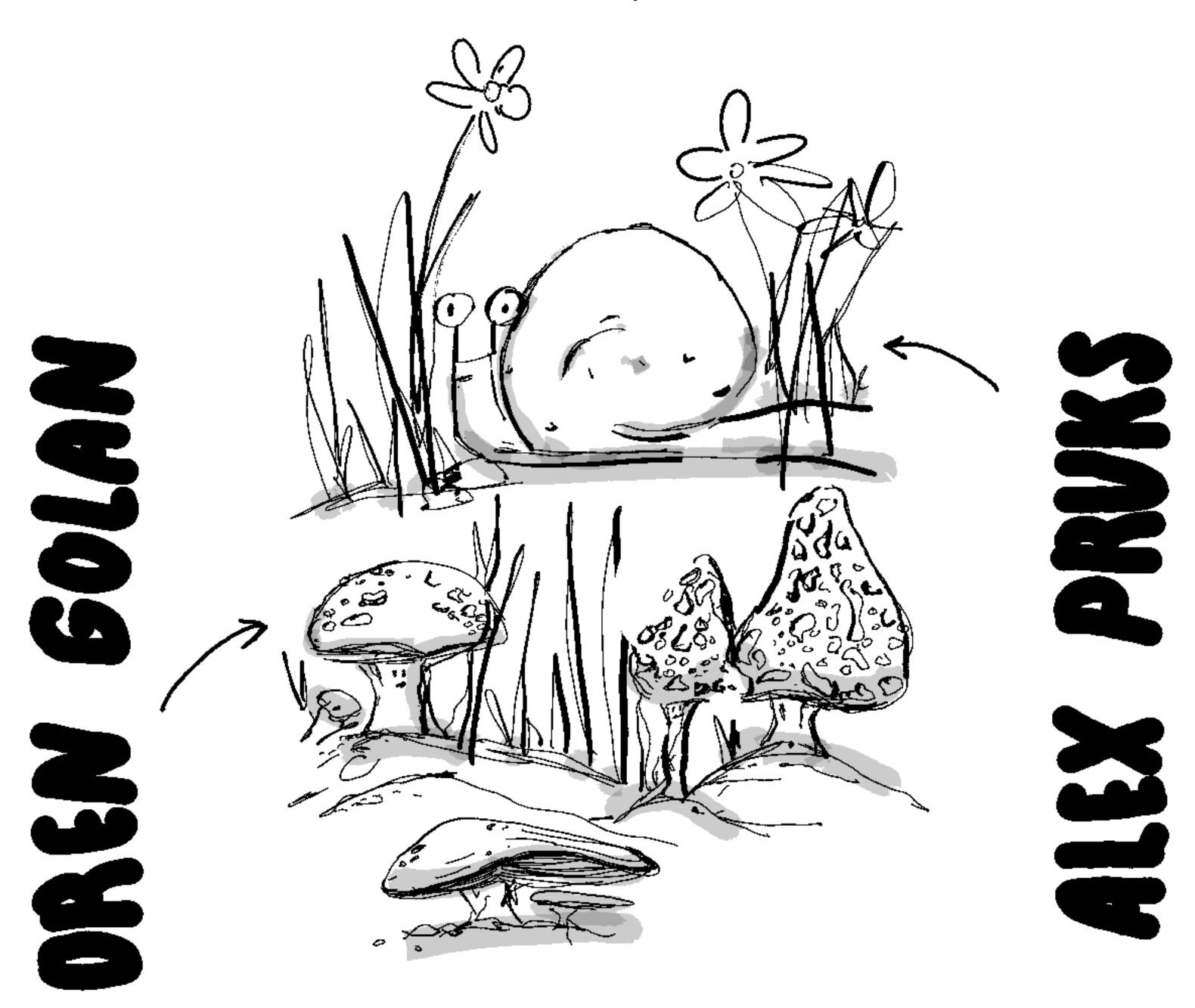
HOW TO NAVIGATE A COMPLEX ORGANIZATION

A VISUAL GUIDE



PREVIOUS NAMES

HOW TO BUILD AN ADAPTIVE DREANIZATION

HOW TO CHAVGE A COMPLEX ORGANIZATION

HOW TO NAVIGATE

ORGANIZATION

CIRCH

4

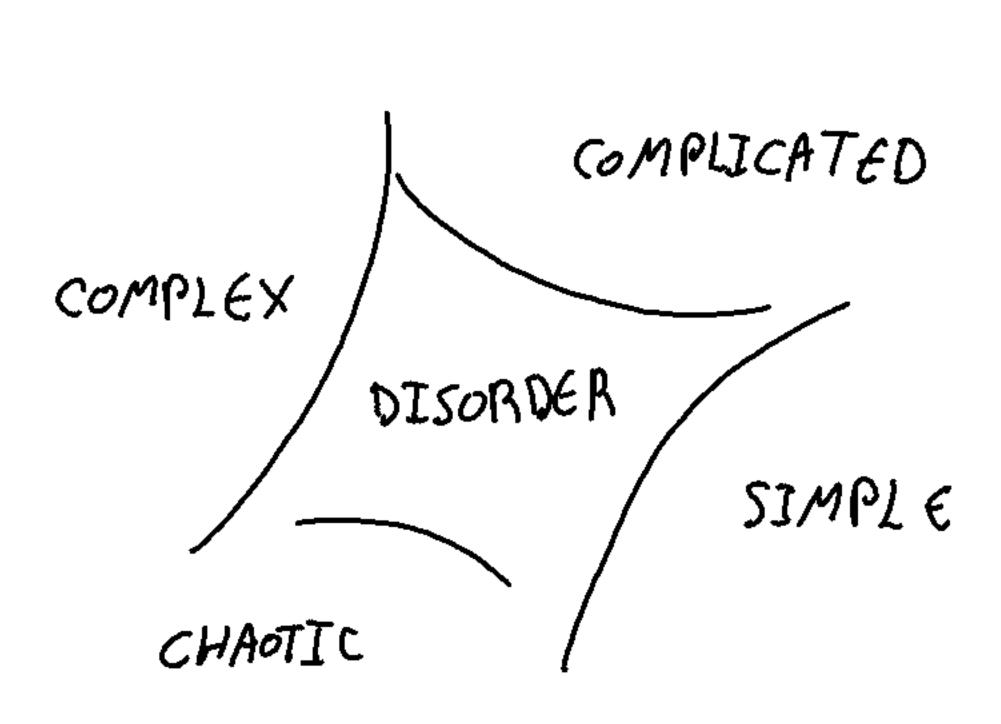
WHAT WILL YOU LEARN?

- HOW TO NAVIGATE UNCERTAINTY USING CYNETIN FRAMEWORK
- UNDERSTAND WHAT A COMPLEX SYSTEM IS
- RECOGNIZE THE LEVERAGES IN A SYSTEM
- RECOGNIZE THE TRAPS IN A SYSTEM
 AND HOW TO AVOID THEM

CUNEFIN

A FRAMEWORK FOR NAVIGATING UNCERTAINTY

UNPREDICTABLE WORLD



PREDICTABLE WORLD

Complex

Probe - Sense - Respond

Emergent Practice

A/B Enabling Constraints

TEST

FIRE

TARENTING,

Disorder

Chaotic

Act - Sense - Respond

Novel Practice

No effective Constraints

hold back

Complicated

Sense - Analyse - Respond

Good Practice

Governing Constraints

SULLO CAR

PAY TAXES

Simple

Sense - Catagorise - Respond

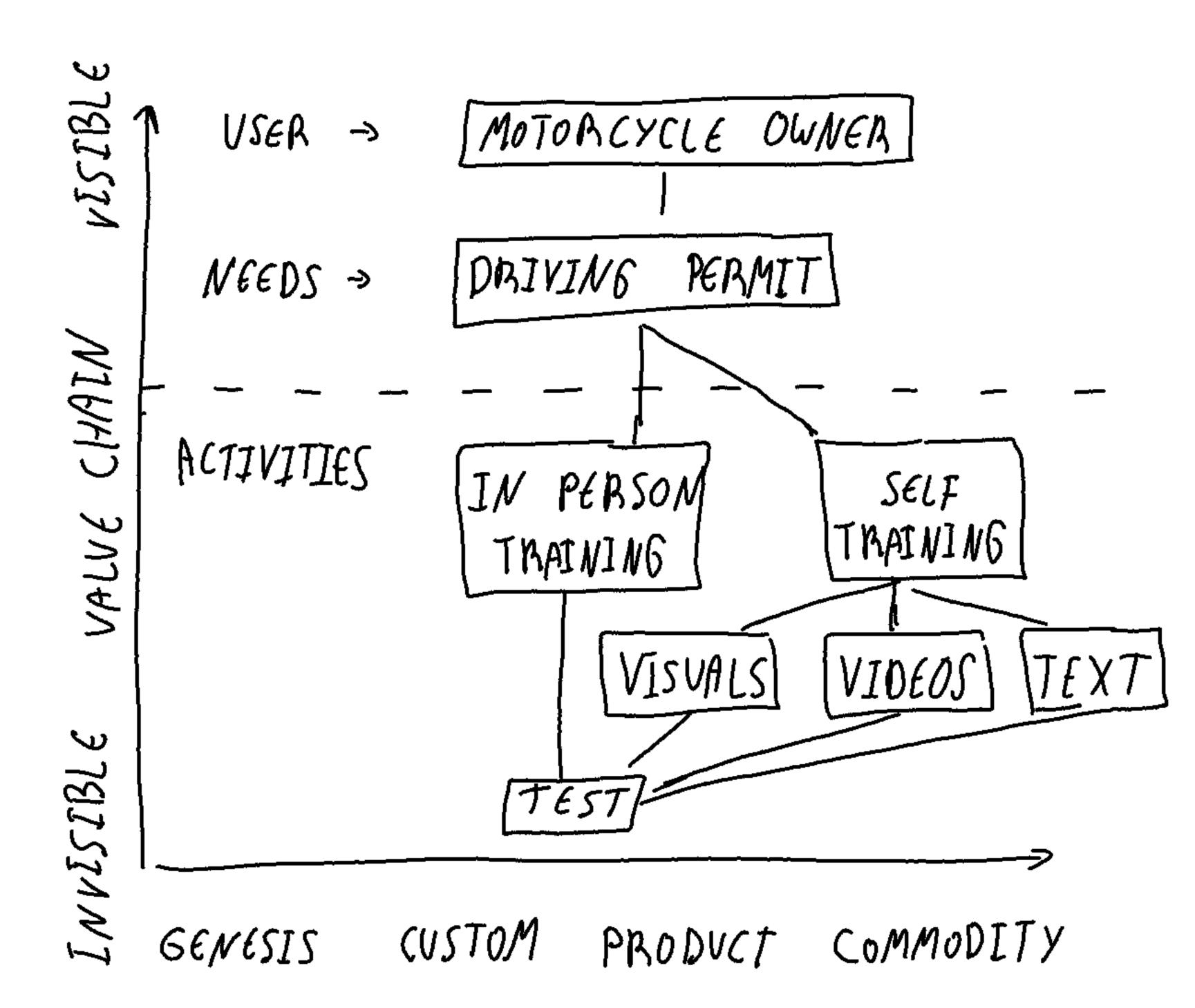
Best Practice

Fixed Constraints

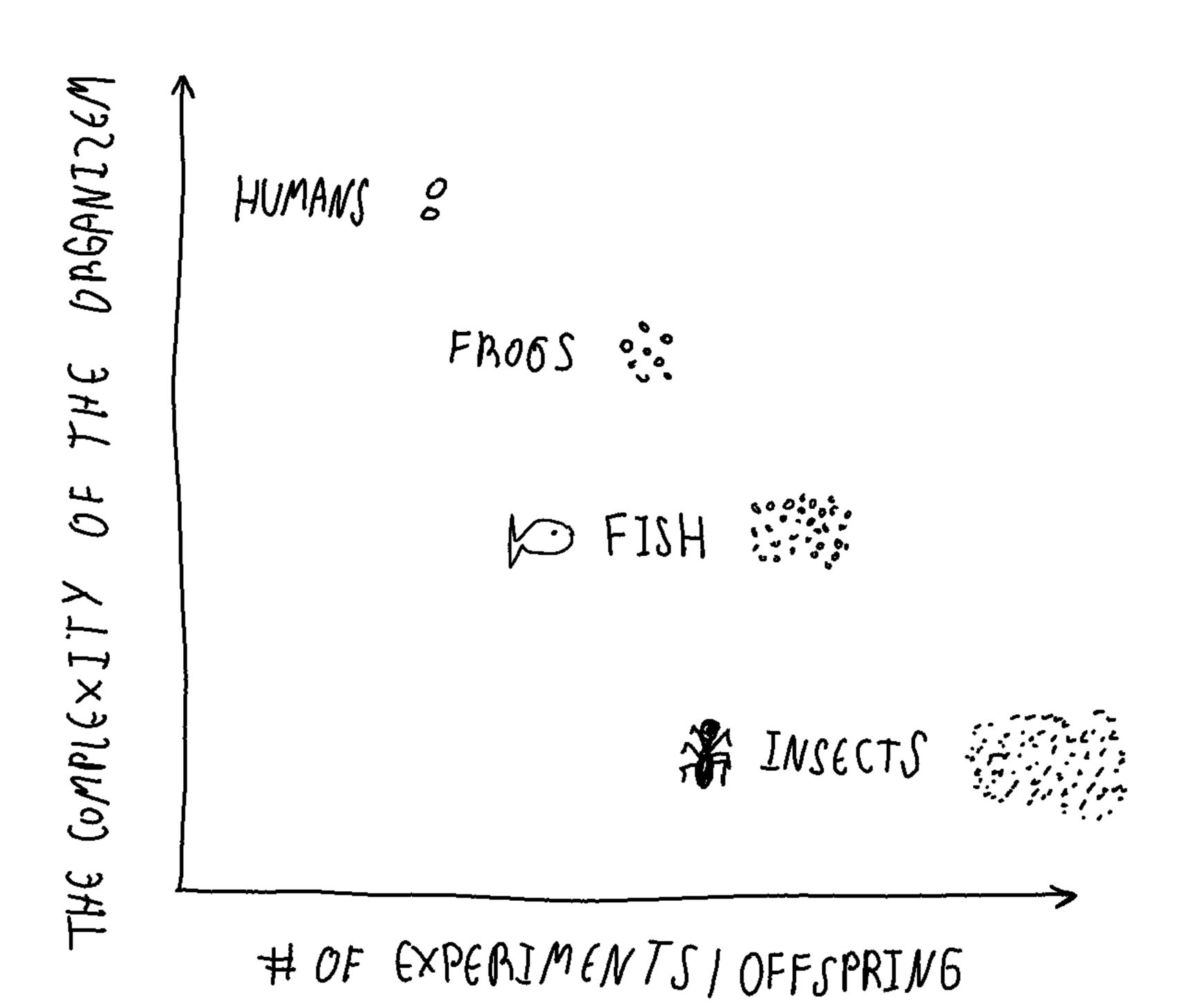
CHECKLIST

WARDLEY MAPS

TOPOGRAPHICAL INTELLIGENCE IN BUSINESS



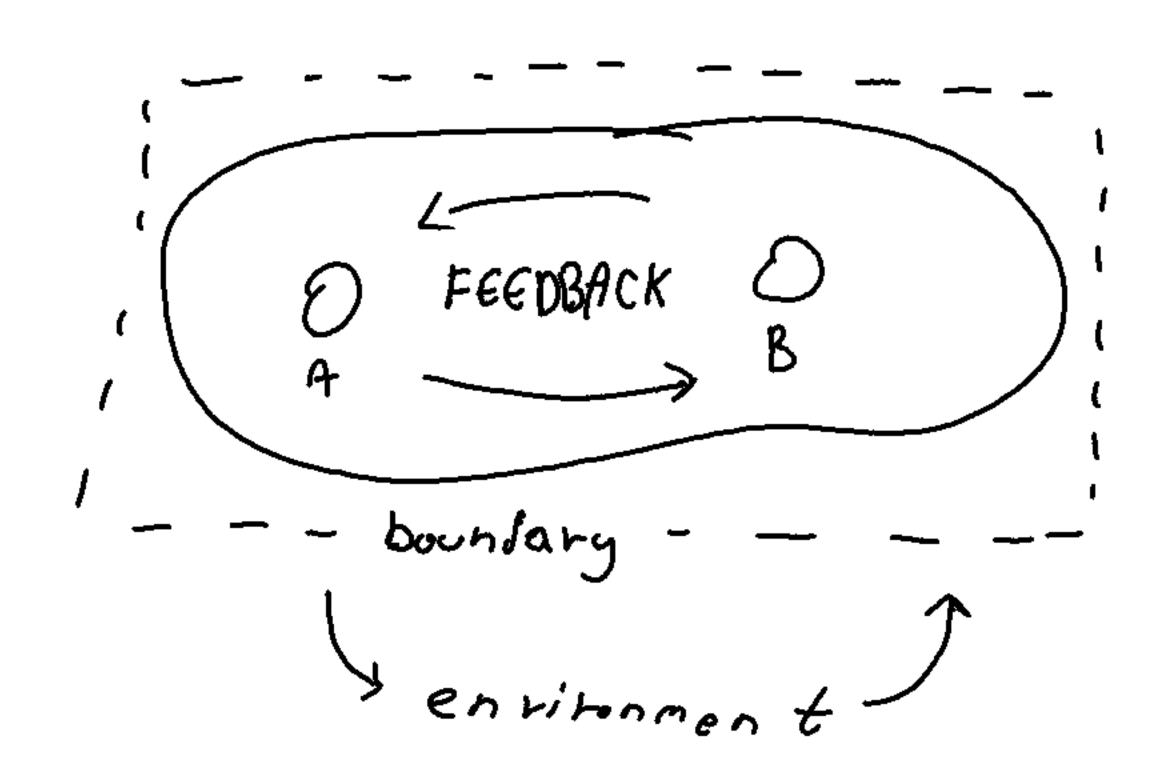
HOW MANY EXPERIMENTS



MAKING THINGS WORK

SYSTEM

"A SET OF THINGS WORKING TOGETHER
AS PART OF A MECHANISM OR AN
INTERGONNECTING NETWORK"



SYSTEM THINKING & MANAGEMENT SCIENCE

SYSTEM TYPE	PART	WHOLE
MECHANICAL	X	×
LIVIN6	X	1
SOCIAL	V	V
ENVIRONMENTAL		×

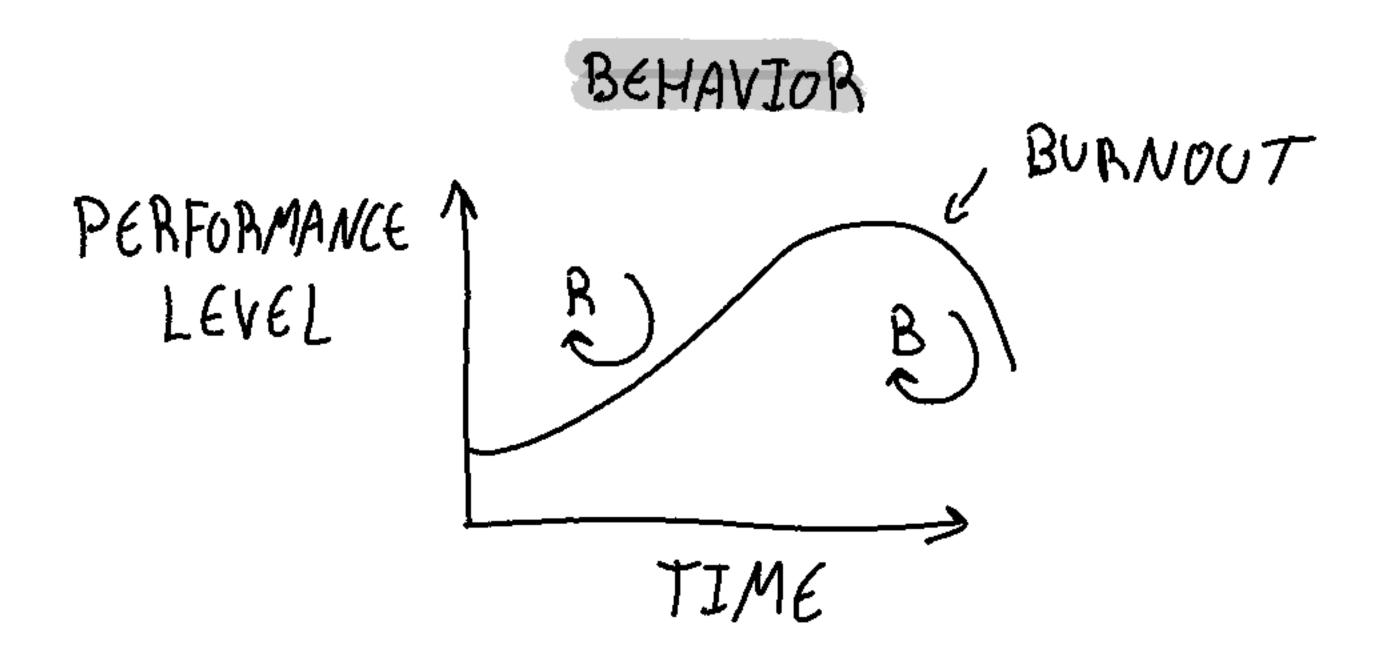
V - FREE WILL /AGENCY
X - NO FREE WILL

BUSSEL L. ACKOFF

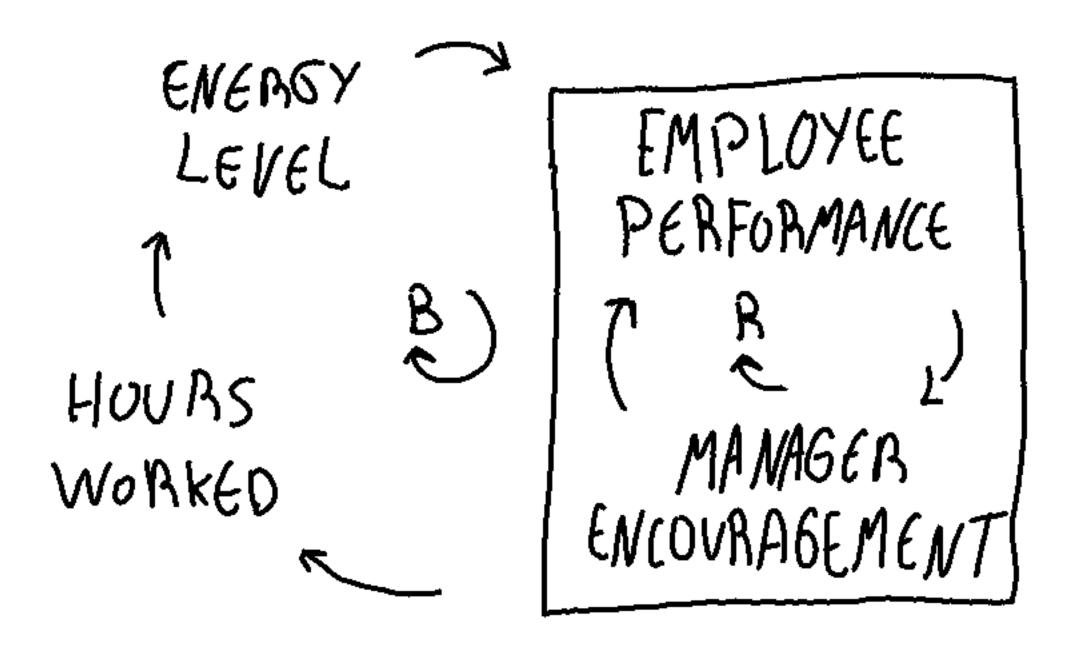
FEEDBACK LOOPS

REINFORCING

BALANCING



STRUCTURE



REJILIENCY

BLUEFIN TUNA

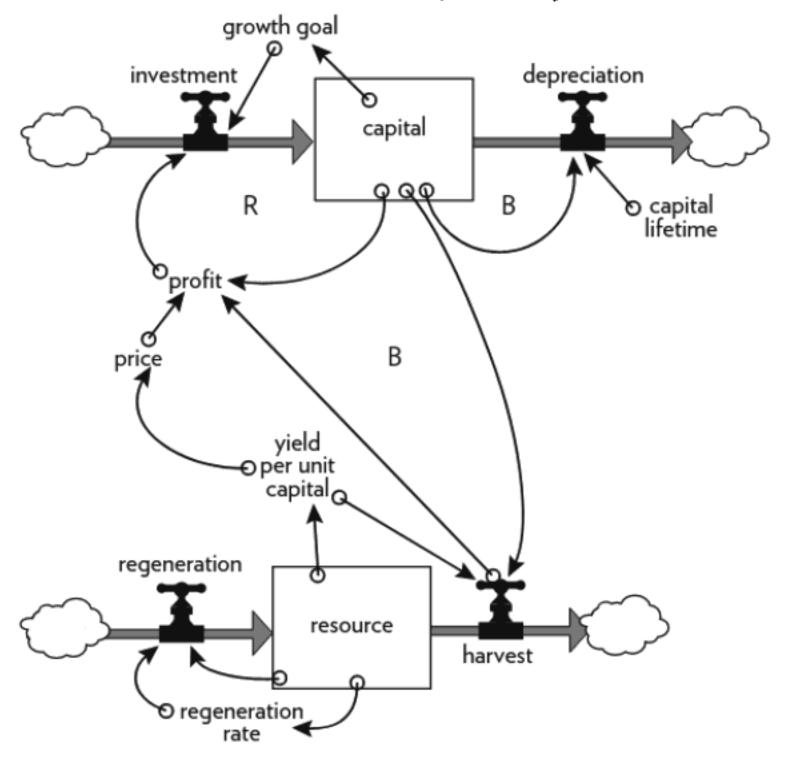


Figure 42. Economic capital with its reinforcing growth loop constrained by a renewable resource.

CAUSES OF NON SUSTAINABLE SYSTEM

- MENTAL MODEL 160ALS (GROWTH)
- TECHNOLOGY (SONAR)
- MARKETS (PRICES VISIBLE)
- GOVERNMET (HELP FISHERIES)

LEVERAGES

```
1 MENTAL MODEL/PARADIGM

2 GOALS

+ 3 ORE STRUCTURE

4 POLICIES / RULES

5 MECHANISMS

6 INFORMATION FLOW

1 METRICS

8 RESOURCES
```

POLICY BESISTANCE (FIXES THAT FAIL)

EXAMPLES:

BOMANIA, WARS ON DRUGS, UNSUPPORTED LIBS

THE WAY OUT:

LET 60, CHANGE GOAL

TRAGEDY OF THE COMMONS

EXAMPLES:

FISH, FOSSIL FUELS, POPULATION GROWTH

THE WAY OUT:

EDUCATE, DIVIDE THE SHARED BESOURCE,
BEGULATE THE COMMON

DRIFT TO LOW PERFORMANCE

EXAMPLES:

FALLING MARKET SHARE, DIRTIER AJR, GAINING
FAT IN SPITE OF DIETING

THE WAY OUT:

ADJUST STANDARDS BASED ON BEST PERFORMANCE

ESCALATION

EXAMPLES:

ARM BACE, ADS CAMPAIGN

THE WAY OUT:

REFUSE TO COMPETE, BUILD A SYSTEM WITH BALANCING LOOPS TO CONTROL THE ESCALATION

SUCCESS TO THE SUCCESSFUL

EXAMPLES:

EXTINCTION OF SPECIES, NUMBER OF CAR BRANDS AND NEWSPAPERS

THE WAY OUT:

POLICIES THAT LEVEL THE PLAYING FIELD

(TAX, UNIONS, EQUAL HEALTHCARE & EDUCATION)

ADDICTION

EXAMPLES:

FAMILIES DELEGATING CARE FOR ELDERLY,

RELYING ON VACCINE & MEDICATION

THE WAY OUT:

HELP A SYSTEM TO RESTORE ITS ABILITY
TO SOLVE ITS PROBLEMS, THEN REMOVE YOURSELF

AULE BEATING

EXAMPLES:

SPENDING AT THE END OF THE YEAR, POISON ENDANGEBED SPECIES

THE WAY OUT:

REDESIGN RULES TO TURN THE SELF

ORGANINATION OF THE SYSTEM IN THE

DIRECTION OF ACHIEVING THE PURPOSE

OF THE RULES

SEEKING THE WRONG GOAL

EXAMPLES:

OF THE SYSTEM

GDP DOES NOT COUNT FOR WELFARE, EQUITY,

JUSTICE. MEASURING GOOD EDUCATION BY MONEY SPENT

THE WAY OUT: SET GOALS THAT BEFLECT THE BEAL WELFARE

RESOURCES

Books:

THINKING IN SYSTEMS

MAKING THINGS WORK

GOOD STRATEGY BAD STRATEGY

TEAM OF TEAMS

AGENDASHIFT

TURN THE SHIP AROUND

CONNECT: BUILDING EXCEPTIONAL RELATIONSHIPS

NONVIOLENT COMMUNICATION

OTHER:

WARDLEY MAPS

CYNEFIN

CLEAN LANGUAGE

OBEN, GITHUB, IO

